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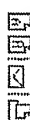
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Chemicals - Technical Library

Syringe Needle Gauge Chart

| Needle Gauge | Nominal O.D. | | | Nominal I.D. | | |
|--------------|--------------|--------|------------|--------------|--------|------------|
| | mm | inches | tol. (in.) | mm | inches | tol. (in.) |

| | | | | | | |
|-----|-------|--------|--------------------|-------|--------|--------------------|
| 10 | 3.404 | 0.1340 | ±0.0010 | 2.692 | 0.1060 | ±0.0020 |
| 11 | 3.048 | 0.1200 | " | 2.388 | 0.0940 | " |
| 12 | 2.769 | 0.1090 | " | 2.159 | 0.0850 | " |
| 13 | 2.413 | 0.0950 | " | 1.803 | 0.0710 | " |
| 14 | 2.108 | 0.0830 | " | 1.600 | 0.0630 | " |
| 15 | 1.829 | 0.0720 | ±0.0005 | 1.372 | 0.0540 | ±0.0015 |
| 16 | 1.651 | 0.0650 | " | 1.194 | 0.0470 | " |
| 17 | 1.473 | 0.0580 | " | 1.067 | 0.0420 | " |
| 18 | 1.270 | 0.0500 | " | 0.838 | 0.0330 | " |
| 19 | 1.067 | 0.0420 | " | 0.686 | 0.0270 | " |
| 20 | 0.902 | 0.0355 | +0.0005 -0.0000 | 0.584 | 0.0230 | +0.0015 -0.0000 |
| 21 | 0.813 | 0.0320 | " | 0.495 | 0.0195 | " |
| 22 | 0.711 | 0.0280 | " | 0.394 | 0.0155 | " |
| 22s | 0.711 | 0.0280 | " | 0.140 | 0.0055 | " |
| 23 | 0.635 | 0.0250 | " | 0.318 | 0.0125 | " |
| 24 | 0.559 | 0.0220 | " | 0.292 | 0.0115 | " |
| 25 | 0.508 | 0.0200 | " | 0.241 | 0.0095 | " |
| 25s | 0.508 | 0.0200 | " | 0.140 | 0.0055 | " |
| 26 | 0.457 | 0.0180 | " | 0.241 | 0.0095 | " |
| 26s | 0.467 | 0.0184 | " | 0.114 | 0.0045 | " |
| 27 | 0.406 | 0.0160 | " | 0.191 | 0.0075 | " |
| 28 | 0.356 | 0.0140 | " | 0.165 | 0.0065 | " |
| 29 | 0.330 | 0.0130 | " | 0.165 | 0.0065 | " |
| 30 | 0.305 | 0.0120 | " | 0.140 | 0.0055 | " |

| | | | | | | |
|----|-------|--------|---|-------|--------|---|
| 31 | 0.254 | 0.0100 | " | 0.114 | 0.0045 | " |
| 32 | 0.229 | 0.0090 | " | 0.089 | 0.0035 | " |
| 33 | 0.203 | 0.0080 | " | 0.089 | 0.0035 | " |

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